

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,428,270 B1
APPLICATION NO. : 09/504676
DATED : September 23, 2008
INVENTOR(S) : Christian Dubuc et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, Sheet 1, Figure 1, in Block 7, delete “Sampling at F_s ” and insert therefor --Analog to Digital Conversion--.

In the drawings, Sheet 2, Figure 2, a downward-pointing arrow line labeled “29” should be added between the bottom end of block 27 and the top end of block 31; in Block 20, delete “Bandwidth and central frequency estimation” and insert therefor --Bandwidth and centroid frequency estimation--;

In the drawings, Sheet 5, Figure 5, add the label --28-- to the arrow line in the bottom right-hand corner of the drawing.

In the drawings, Sheet 7, Figure 7, delete “Constant Envelope with residual carrier frequency error” and insert therefor --Constant envelope signal with residual carrier frequency error--; in the block containing the phrase “Lowpass Filtering”, delete the label “51” and insert therefor --52--.

In the drawings, Sheet 10, Figure 11, in block 20, delete “Bandwidth and central frequency estimation” and insert therefor --Bandwidth and centroid frequency estimation--; in block 46, delete “More than one peak in the FFP of the squared signal?” and insert therefor --More than one peak in the FFT of the squared signal?--; in the block directly below block 47 in the bottom right-hand corner of the figure, delete “FM” and insert therefor --FSK--.

Column 7, line 59, delete “ $e^{j3\pi f_c t}$ ” and insert therefor -- $e^{j2\pi f_c t}$ --.

Column 9, line 27, delete “cross” and insert therefor --gross--.

Column 12, line 40, delete “50,”.

Column 13, line 12, delete “ F_{sym} ” and insert therefor -- f_{sym} --.

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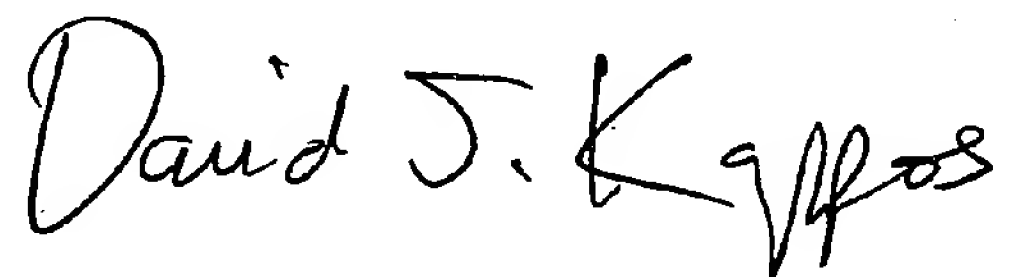
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20, table 1, delete “ (\square_{max}) ” and insert therefor $-(\gamma_{max})-$.

Signed and Sealed this

Twenty-second Day of September, 2009

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style.

David J. Kappos
Director of the United States Patent and Trademark Office